

Amendments to the Claims:

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1. (Currently amended) A flexible monolithic electronic device, comprising:

a substrate layer of electrically insulating material having a first side and an opposed second side, ~~which the~~ substrate layer is ~~provided with a first~~ having at least one aperture extending from the first to the second side;

an active layer of a semiconductor material disposed on and in contact with the first side of the substrate layer, ~~in and on which~~ the active layer including at least one switching element is

~~defined, which element is provided with a first electrode in the~~
~~active layer having an electrode;~~

a flexible coating formed on the first side of the substrate layer and acting as a protective cover for the at least one switching element; and

a functional layer disposed on and in contact with the second side of the substrate layer and electrically connected to the first electrode through the ~~first aperture in the substrate layer~~ at least one aperture,

wherein the at least one aperture is filled with conductive material, the conductive material connecting the active and functional layers.

2. (Canceled)

3. (Previously presented) The flexible electronic device as claimed in Claim 1, wherein the functional layer is an electro-optical layer which constitutes, in conjunction with a switching element, a display pixel.

4. (Currently amended) The flexible electronic device as claimed in claim 3, wherein an electrically conductive layer is present between the active layer and the functional layer, and a pixel electrode is defined in the electrically conductive layer.

5. (Currently amended) The flexible electronic device as claimed in claim 4, wherein the display pixel comprises a capacitor with ahaving first and a ~~second electrode~~ electrodes and a dielectric, ~~which the~~ first electrode is ~~present~~ provided in the electrically conductive layer and ~~which the~~ second electrode is ~~defined~~ provided in the active layer, the substrate layer acting as a dielectric.

6. (Currently amended) A ~~The~~ flexible electronic device as claimed in claim 5, wherein the substrate layer ~~is provided~~ with further comprises a high-K area which acts as the dielectric of the capacitor.

7. (Currently amended) The flexible electronic device as claimed in claim 3, wherein the switching element is part of an array of switching elements ~~present in and~~ provided on the active layer, ~~which the~~ array is driven by a driving circuit comprising an

integrated circuit of circuit elements ~~present~~ provided in and on
the active layer.

8. (Canceled)

9. (Previously presented) An apparatus comprising a flexible device
according to claim 1.

10. (Canceled)

11. (Currently amended) A rollable cartridge comprising the
flexible ~~electron~~ electronic device according to claim 3.

12-13. (Canceled)